

STN Search Summary
10/070778

=> d his

L4 FILE 'REGISTRY' ENTERED AT 15:00:19 ON 21 OCT 2004
1 S (9023-60-3)/RN

L5 FILE 'CAPLUS' ENTERED AT 15:02:00 ON 21 OCT 2004
L6 10 S L4
L7 85 S MURF
L8 91 S L5 OR L6
L9 5 S L7 AND (PSEUDOMONAS OR AERUGINOSA)
L10 735 S MUR? AND (PSEUDOMONAS OR AERUGINOSA)
L11 44 S L9 AND PEPTIDOGLYCAN
L12 44 S L10 NOT L5
L13 42 S L10 NOT L8
L14 28 S MUR? AND (AERUGINOSA) AND PEPTIDOGLYCAN
26 S L13 NOT L8

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 9023-60-3 REGISTRY
CN Synthetase, uridine diphosphoacetylmuramoylpentapeptide (9CI) (CA INDEX NAME)

OTHER NAMES:

CN E.C. 6.3.2.10
CN UDP-N-Acetylmuramoyl-L-alanyl-D-glutamyl-L-lysyl-D-alanyl-D-alanine synthetase
CN UDPacetylmuramoylpentapeptide synthetase
CN Uridine diphospho-N-acetylmuramoylalanyl-D-glutamyllysyl-D-alanyl-D-alanine synthetase
CN Uridine diphosphoacetylmuramoylpentapeptide synthetase

=> d 1-5

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:837272 CAPLUS
DN 139:319352
TI Cloning and physical characterization of microbial polypeptides involved in membrane biogenesis and their use as antimicrobial targets
IN Edwards, Aled; Dharamsi, Akil; Vedadi, Masoud; Domagala, Megan; Houston, Simon; Awrey, Donald; Beattie, Bryan; Mansoury, Kamran; Ouyang, Hui; Vallee, Francois; Richards, Dawn; Nethery, Kathleen; Virag, Cristina; Buzadzija, Kristina; Pinder, Benjamin; Alam, Muhammad Zahoor; Tai, Matthew; Canadien, Veronica; Kanagarajah, Dhushy; Thalakada, Rosanne
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2003087353 A2 20031023 WO 2003-CA481 20030408
WO 2003087353 A3 20040205
PRAI US 2002-370899P P 20020408
US 2002-370915P P 20020408
US 2002-371107P P 20020409
US 2002-371185P P 20020409
US 2002-385426P P 20020531
US 2002-386283P P 20020606
US 2002-400348P P 20020801
US 2002-424395P P 20021106

US 2002-425200P	P	20021108
US 2002-436345P	P	20021224
US 2002-436349P	P	20021224
US 2002-436568P	P	20021226
US 2002-436675P	P	20021227
US 2002-436734P	P	20021227
US 2002-436885P	P	20021227
US 2002-436889P	P	20021227
US 2002-436893P	P	20021227
US 2002-436900P	P	20021227
US 2002-437013P	P	20021230

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:536936 CAPLUS
 TI In vitro reconstruction of the biosynthetic pathway of peptidoglycan
 cytoplasmic precursor in *Pseudomonas aeruginosa*
 AU El Zoeiby, A.; Sanschagrin, F.; Havugimana, P. C.; Garnier, A.; Levesque,
 R. C.
 SO FEMS Microbiology Letters (2001), 201(2), 229-235

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:489638 CAPLUS
 TI Genes identified as required for proliferation of *Escherichia coli* and
 their use in antimicrobial drug discovery
 IN Forsyth, R. Allyn; Ohlsen, Kari L.; Zyskind, Judith W.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001048209	A2	20010705	WO 2000-US34419	20001219
WO 2001048209	A3	20020502		
US 2002022718	A1	20020221	US 2000-741669	20001219
EP 1244789	A2	20021002	EP 2000-986553	20001219
JP 2003518386	T2	20030610	JP 2001-548722	20001219
PRAI US 1999-173005P	P	19991223		
WO 2000-US34419	W	20001219		

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:232980 CAPLUS
 TI The Cell Wall and Cell Division Gene Cluster in the *Mra* Operon of
Pseudomonas aeruginosa: Cloning, Production, and
 Purification of Active Enzymes
 AU Azzolina, Barbara A.; Yuan, Xiling; Anderson, Matt S.; El-Sherbeini,
 Mohamed
 SO Protein Expression and Purification (2001), 21(3), 393-400

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:185769 CAPLUS
 TI MurF gene encoding D-Alanyl-D-alanine-adding enzyme from
Pseudomonas aeruginosa and its use in antibiotic
 screening
 IN El-Sherbeini, Mohammed; Azzolina, Barbara

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001018018	A1	20010315	WO 2000-US24437	20000906
PRAI US 1999-153293P	P	19990910		

=> d 1-26

L14 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:722135 CAPLUS
TI On the architecture of the Gram-negative bacterial murein
sacculus
AU Pink, David; Moeller, Jeremy; Quinn, Bonnie; Jericho, Manfred; Beveridge,
Terry
SO Journal of Bacteriology (2000), 182(20), 5925-5930

L14 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:350749 CAPLUS
TI Attaching proteins or other substances to the cell wall of microorganisms
IN Buist, Girbe; Leenhouts, Cornelis Johannes; Venema, Gerard; Kok, Jan
PA Rijksuniversiteit Groningen, Neth.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9925836	A1	19990527	WO 1998-NL655	19981112
	EP 916726	A1	19990519	EP 1997-203539	19971113
	CA 2310228	AA	19990527	CA 1998-2310228	19981112
	AU 9911799	A1	19990607	AU 1999-11799	19981112
	AU 752666	B2	20020926		
	EP 1032675	A1	20000906	EP 1998-954853	19981112
	JP 2002514381	T2	20020521	JP 2000-521201	19981112
	NZ 504486	A	20030228	NZ 1998-504486	19981112
PRAI	EP 1997-203539	A	19971113		
	WO 1998-NL655	W	19981112		

L14 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:681200 CAPLUS
TI Gram-negative bacteria produce membrane vesicles which are capable of
killing other bacteria
AU Li, Zusheng; Clarke, Anthony J.; Beveridge, Terry J.
SO Journal of Bacteriology (1998), 180(20), 5478-5483

L14 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:393360 CAPLUS
TI A simple gel electrophoretic method for analyzing the muropeptide
composition of bacterial peptidoglycan
AU Young, Kevin D.
SO Journal of Bacteriology (1996), 178(13), 3962-3966

L14 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:295774 CAPLUS
TI Bacteriolytic effect of membrane vesicles from Pseudomonas
aeruginosa on other bacteria including pathogens: conceptually new
antibiotics
AU Kadurugamuwa, Jagath L.; Beveridge, Terry J.
SO Journal of Bacteriology (1996), 178(10), 2767-2774

L14 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:278310 CAPLUS
TI A major autolysin of Pseudomonas aeruginosa: subcellular
distribution, potential role in cell growth and division, and secretion in
surface membrane vesicles
AU Li, Zusheng; Clarke, Anthony J.; Beveridge, Terry J.
SO Journal of Bacteriology (1996), 178(9), 2479-2488

L14 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:286647 CAPLUS
TI Variability of peptidoglycan structural parameters in
Gram-negative bacteria
AU Quintela, Jose Carlos; Caparros, Marta; de Pedro, Miguel A.
SO FEMS Microbiology Letters (1995), 125(1), 95-100

L14 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:650771 CAPLUS
TI Analysis of the sodium dodecyl sulfate-stable peptidoglycan
autolysins of select Gram-negative pathogens by using renaturing
polyacrylamide gel electrophoresis
AU Bernadsky, Gilad; Beveridge, Terry J.; Clarke, Anthony J.
SO Journal of Bacteriology (1994), 176(17), 5225-32